

General Catalog

Part 3 Auto Feeding System

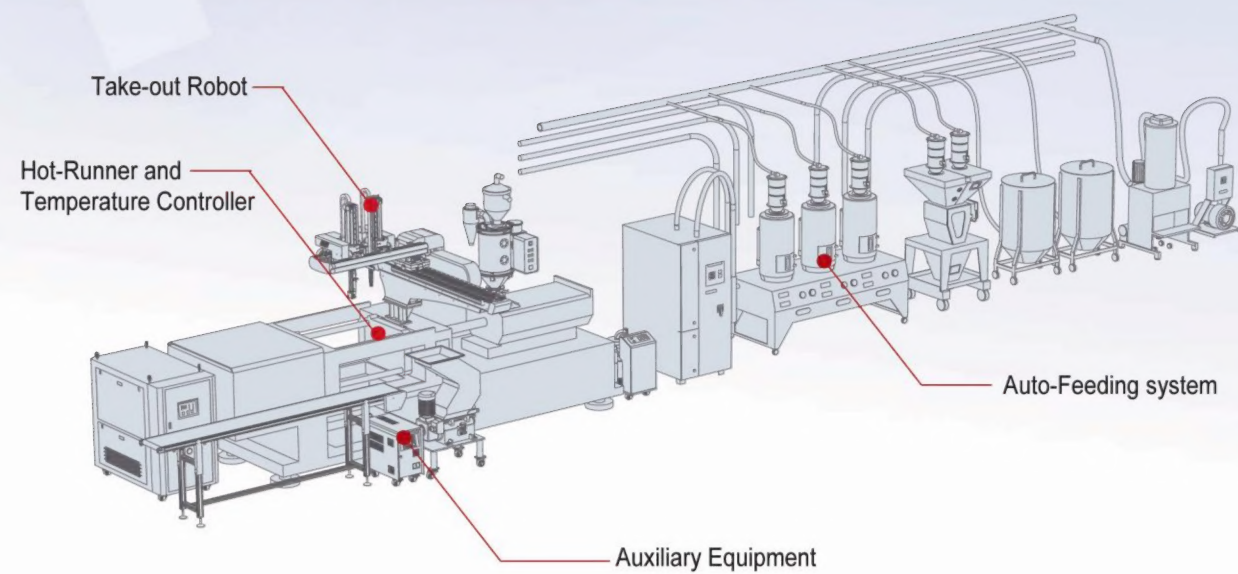


Take-Out Robot

Auxiliary Equipment

Auto Feeding System

PLASTICS
TOTAL
SOLUTION



YUDO-SUNS

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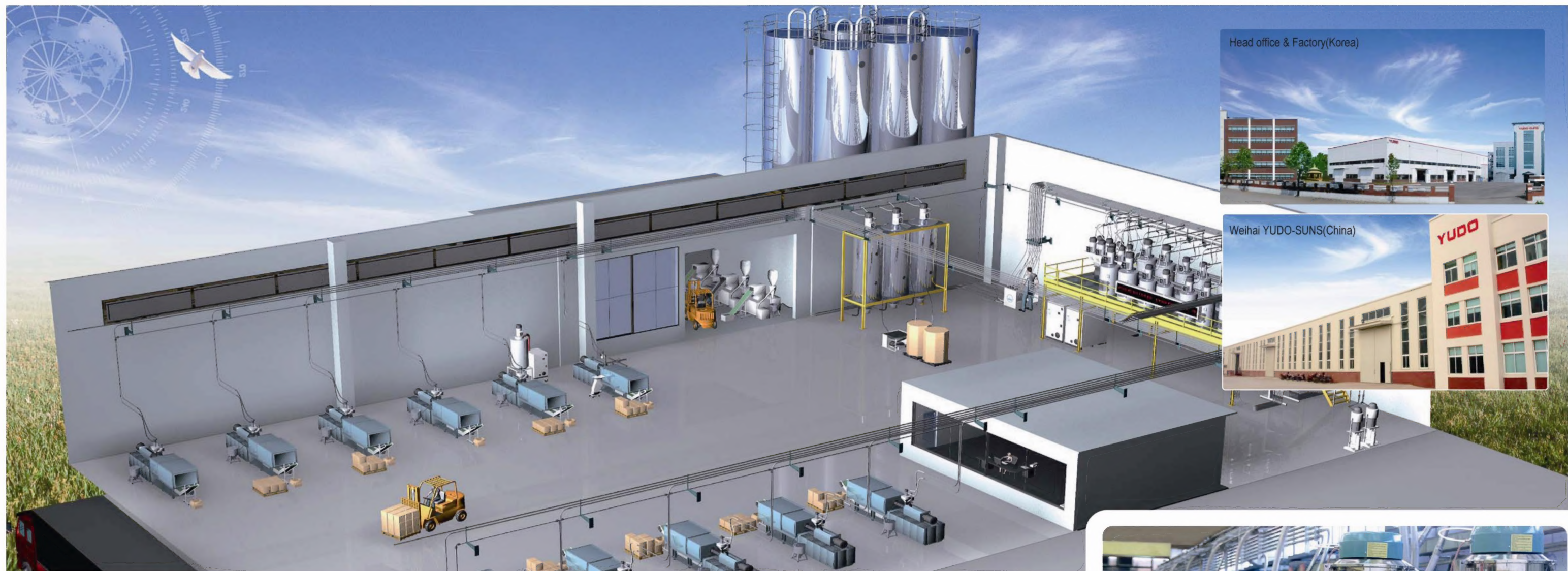
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YUDO-SUNS



HOT Solution for Molding

为了顾客的需要，我们用热情和承诺做的更好。



YUDO以1980年成立的柳道实业为中心，通过专业化的附属公司成长为塑胶产业的企业。YUDO专业生产热流道系统，机械手、工厂自动化、合理化系统、Auto Feeding system等，以成功积累的精密控制技术经验迈向世界。

威海柳道机械有限公司是于2008年以韩国YUDO-SUNS公司成立的独立法人,1992年与日本STAR SEIKI合作生产机械手，并与意大利Plastic Systems合伙生产Auto Feeding System。

YUDO is originated from YUDO co.,ltd, a mother company of YUDO , established in 1980 , which has a specialty in manufacturing hot runner system , take-out robot , factory automation and auto feeding system etc. YUDO will be a world leading company in plastic Industry.

Weihai YUDO-SUNS is invested by YUDO-SUNS in korea in 2008 with partnership with Plastic Systems in Italy, which has a specialty in manufacturing auto feeding system , and STAR SEIKI in Japan which has specialty in manufacturing take-out robots.

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压缩空气干燥机DAC Compressed Air Dryer

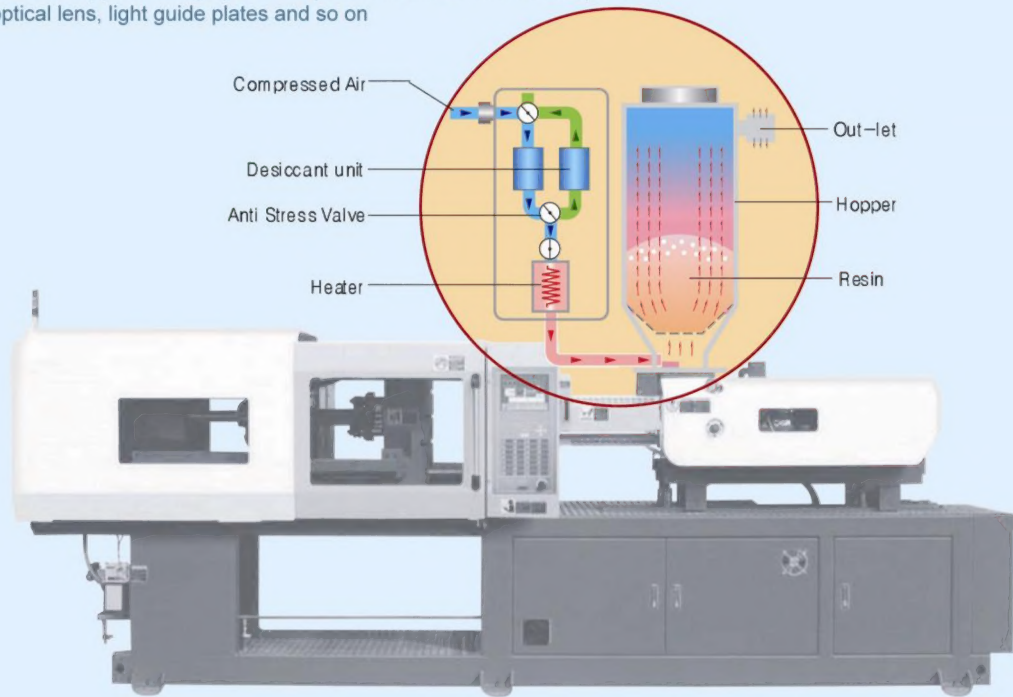
压缩空气干燥机DAC Compressed Air Dryer

压缩空气干燥机是用于去除吸湿性粒子中吸收的湿气。
由于基尺寸小，结构紧凑，所以可以直接安装在注塑机上使用。
Direct installation on the machine throat

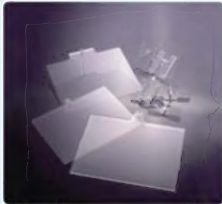
应用领域| Applications
应用于手机壳，镜片，导光板等高精密注塑工程
It can be applied to high precision plastic industries like mobile phones, optical lens, light guide plates and so on

特点 | Features

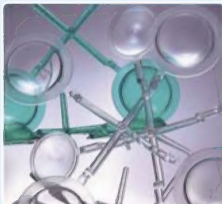
- 直接安装在注塑机上连接电线和压缩空气可以使用。
- 内部装着压缩空气除湿装置，干燥能力优秀。
- 露点 -40℃。
- Graphic LCD 控制器。
- 输入原料种类及使用量，自动调整风量和温度。
- 支援周末时间控制，报警履历，多国语。
- 多段节 Anti-stress 装置。
- 附加功能：露点控制器，钢化玻璃底座，手动控制器，绝对无尘室。
- Direct installation on the machine throat
 - Specifically developed for the drying of small throughput engineering materials
- Dry air from the compressed air circuit.
 - Double tower dryers with constant Dew Point by using molecular sieves and compressed air
- Micro-processor controlled with LCD drying time and automatic airflow setting according to the material type and throughput
 - Daily-weekly timer
 - Alarm list
 - Material Database
- Anti-stress device with flow control valve driven by temperature sensing.
- Options
 - Dew point control
 - Pyrex base BX for DAC 6 / 15 or aluminium base B with material drain port
 - hand controller
 - Suitable for Clean room



手机壳 Mobile phones



导光板 Light guide plates



镜片 Optical lens



Hand controller

干燥条件 | Drying condition table

Material	Time (h)	Temp.(°C)	DAC6N	DAC15N	DAC30N	DAC50N
ABS	3 ~ 4	80~90	1,1	2,8	5,5	7,2
CA	2 ~ 3	70	1,5	3,8	7,5	9,8
CAB	2 ~ 3	75	1,5	3,8	7,5	9,8
CP	3 ~ 4	75	1,2	3	6	7,8
EPDM	4	80	1,2	3	6	7,5
LCD	4	80	1,1	2,8	5,6	7,3
PA	4 ~ 5	70 ~ 80	0,9	2,3	4,5	5,9
PAEK	3 ~ 4	160	1,3	3,3	6,5	8,5
PBT	3 ~ 4	130 ~ 140	1,5	3,8	7,5	9,8
PC	2 ~ 3	120	2,1	5,3	10,5	13,7
PE	1	85	3,3	8,3	16,5	21,5
PE black 40%	5	80	0,9	2,3	4,5	5,9
PEEK	3 ~ 4	150 ~ 180	1,4	3,5	7	9,1
PEI	4 ~ 5	150 ~ 180	1,1	2,6	5,3	6,9
PES	3 ~ 4	150 ~ 180	1,5	3,8	7,5	9,8
PET	4 ~ 6	160 ~ 180	1	2,5	5	6,5
PETG	4 ~ 5	67 max	1,2	3	6	7,8
PI	2 ~ 3	120	2,1	5,3	10,5	13,7
PMMA	3 ~ 4	80	1,3	3,3	6,5	8,5
POM (copolymer)	2 ~ 3	90 ~ 100	2,1	5,3	10,5	13,7
POM (homopolymer)	1 ~ 2	90 ~ 100	2,4	6	12	15,6
PP	1	80 ~ 90	3	7,5	15	19,5
PPO (α PPE)	2 ~ 3	100 ~ 120	1,7	4,2	8,3	10,8
PPS	2 ~ 3	130 ~ 140	2,1	5,3	10,5	13,7
PS	1	80 ~ 90	3	7,5	15	19,5
PSU	3 ~ 4	120 ~ 130	1,3	3,3	6,5	8,5
PVC	1	70 ~ 80	3,6	9	18	23,4
SAN	2 ~ 3	80	1,7	4,2	8,3	10,8
SB	1 ~ 2	80	2,4	6	12	15,6
TPE	3	105	1,4	3,5	7	9,1
TPU	2 ~ 3	80 ~ 110	2,1	5,3	10,5	13,7

规格 | Specifications

Model		DAC6N	DAC15N	DAC30N	DAC50N
装料量/ Hopper capacity	dm ³	6	15	30	50
电热功率 /Heating power	kW	0.65	0.65	0.95	0.95
总功率 /Total power	kW	0.7	0.7	1	1
能耗 (80℃) /Energy consumption at 80℃	kW	0.04~0.09	0.07~0.22	0.11~0.29	0.11~0.29
露点 /Dew point	℃	-40	-40	-40	-40
压缩空气流量 /Proc. compres. air flow	Nm ³ /h	2~5	4~12	6~16	6~16
再生压缩空气流量 /Regen. compres. air flow	Nm ³ /h	1	3	4	4
最大压缩空气流量 /Tot. max compres. air flow	Nm ³ /h	6	15	20	20
压缩空气压力 / Compressed air pressure (oil and water free)	bar	6~8	6~8	6~8	6~8
噪声等级/ Noise level	dB(A)	<70	<70	<70	<70
电热功率/ Power source		AC 220V±10%, 50/60Hz Single phase			
重量 /Weight	kg	10	16	20	23

除湿干燥机 Desiccant Dryers

除湿干燥机 Desiccant Dryers

DW series (Honey comb systems)

特点 | Features

- 使用Honey comb rotor 方式 露点均匀。
- 使用2个鼓风机，Closed Loop 冷却。
- 内装加热booster及风冷式冷却装置。
- 露点 - 50℃。
- Graphic LCD控制器。
- 输入原料种类及使用量，自动调整风量和温度。
- 支援周末时间控制，报警明细，多国语。
- 附加功能：露点控制器，过热防止装置，手动控制器，触摸屏。
- Honey comb rotor systems
- 2 Blower, Closed loop cooling
- Dew point : -50°C
- Graphic LCD controller
- Micro-processor controlled with LCD drying time and automatic airflow setting according to the material type and throughput
- Weekly timer / Alarm list / Material Database
- Option : Dew point control / Anti-over heat / Hand controller / Touch screen



规格 | Specifications

Model			DW60	DW100	DW160	DW200	
空气流量 / Air flow			m³/h	60	100	160	200
温控范围 / Process temperature		MT	°C	70~150			
		HT	°C	70~190			
露 点 / Dew point			°C	-50			
静 压 / Static pressure			mbar	150	133	130	150
风机电源 / Blow. power of proc.			kW	0.4	0.75	1.1	1.6
再生风机电源 / Blow. power of regen.			kW	0.2	0.2	0.4	0.4
电热功率 / Power heating process		MT	kW	2	3.5	5	9
		HT	kW	–	5	9	9
再生电热功率 /Power heating regen.			kW	2	2	3.5	3.5
总容量 / Installed power total		MT	kW	4.6	6.45	10	14.5
		HT	kW	–	7.95	14	14.5
电 源 / Power source			AC 380V ±10%, 50/60Hz 3phase				
重 量 / Weight			kg	140	150	175	185

D800 series

特点 | Features

- 使用1个鼓风机，2个除湿干燥剂。
- 内部储存加热增加装置及水冷式冷却装置
- 露点 - 50℃。
- MT:150℃,HT:190℃。
- Graphic LCD 控制器。
- 输入原料种类及使用量，自动调整风量和温度。
- 支援周末时间控制，报警明细，多国语。
- 附加功能：露点控制器，过热防止装置，手动控制器。
- 1 Blower, 2 Desiccant tower
- Dew point : -50°C
- MT : 150°C, HT : 190°C
- Graphic LCD controller
- Micro-processor controlled with LCD drying time and automatic airflow setting according to the material type and throughput
- Weekly timer / Alarm list / Material Database
- Option : Dew point control / Anti-over heat / Hand controller



规格 | Specifications

Model			D800	D801	D802	D803	D804	D805
空气流量 / Air flow		m³/h	80	120	150	300	400	500
温控范围 / Process temperature	MT	°C	70~150					
	HT	°C	70~190					
露 点 / Dew point		°C	- 50					
静 压 /Static pressure		mbar	160	170	150	250	200	250
风机电源 /Blow. power of proc.		kW	0.75	1.3	1.6	3	4	5.5
再生风机电源 /Blow. power of regen.		kW	-					
电热功率 / Power heating process	MT	kW	2	3.5	3.5	7.2	10.8	14.4
	HT	kW	3.5	5	5	10.8	14.4	18
再生电热功率 / Power heating regen.		kW	1.5	1.5	2	3.5	5	5
总容量 / Installed power total	MT	kW	4.25	6.3	7.1	13.9	19.8	24.9
	HT	kW	5.25	7.8	8.6	17.5	23.4	28.5
电 源 / Power source			AC 380V ±10%, 50/60Hz 3 phase					
重 量 /Weight		kg	110	120	135	330	350	370

* MT:标准式样 HT:高温式样

除湿干燥机 Desiccant Dryers

隔热干燥桶 Insulated Hopper

DW 800P

特点 | Features

- 使用2个鼓风机，2个除湿干燥剂方式提高干燥性能。
- Closed Loop 冷却。
- 露点 - 50℃。
- 水冷式冷却装置。
- Graphic LCD 控制器。
- 输入原料种类及使用量，自动调整风量和温度。
- 支援周末时间控制，报警履历，多国语。
- 附加功能：露点控制器，过热防止装置，手动控制器，触摸屏。
- 2 Blower, 2 Desiccant tower
- Closed loop cooling
- Dew point : -50 °C
- Graphic LCD controller
- Micro-processor controlled with LCD drying time and automatic airflow setting according to the material type and throughput
- Weekly timer / Alarm list / Material Database
- Option : Dew point control / Anti-over heat / Hand controller/ Touch Screen



规格 | Specifications

Model			D803P-CS	D804P-CS	D805P-CS	D806P-CS	D808P-CS	D810P-CS	D815P-CS	D818P-CS
空气流量 / Air flow		m³/h	300	400	500	600	750	1000	1350	1450
温控范围 / Process temperature	MT	°C	70~150							
	HT	°C	70~190							
露 点 / Dew point		°C	-60							
静 压 / Static pressure		mbar	250	200	250	250	250	200	200	200
风机电源 / Blow. power of proc.		kW	3	4	5.5	5.5	7.5	8.5	12.5	15
再生风机电源 / Blow. power of regen.		kW	0.2	0.4	0.4	0.85	0.85	0.85	1.5	1.5
电热功率 / Power heating process	MT	kW	7.2	10.8	14.4	18	24	30	40.5	40.5
	HT	kW	10.8	14.4	18	24	30	36	50	54
再生电热功率 /Power heating regen.		kW	3.5	5	5	12	12	12	18	18
总容量 / Installed power total	MT	kW	13.9	19.8	24.9	36.4	44.4	51.4	72.5	75
	HT	kW	17.5	23.4	28.5	42.4	50.4	57.4	86	88.5
电 源 / Power source			AC 380V±10%, 50/60Hz 3 phase							
重 量 / Weight		kg	330	350	370	1300	1330	1400	1450	1500

节约高度能力效果及优秀干燥性能的不锈钢保温干燥筒系列
High energy savings and drying effects with double layered stainless steel hopper

特点 | Features

- 采用60~100mm厚度的保温棉节约热能效果。
- 使用Diffuser方式干燥均匀。
- 装置手动Slide gate.
- 装置检查窗口及检查门。
- 滑动闸门
- 附加功能：框架，吸引阀，加热烘干，干燥筒底座。
- Insulated by a ceramic fiber, about 60~100mm thick, squared aluminum coated.
- Easy maintenance : Side inspection door and a window insulation effects
- Slide gate
- Options : Frame, Auto Slide gate, Suction valve, Drying heater (Heating group) Hopper base



选择 | Option



规格 | Specifications

Model	Capacity (ℓ)	Insulation thickness (mm)	Weight (kg)
H 30	30	60	22
H 50	50	60	25
H 75	75	60	45
H 100	100	60	50
H 150	150	60	75
H 200	200	60	90
H 300	300	100	155
H 400	400	100	170
H 600	600	100	190
H 800	800	100	210

DTM多数干燥筒系统 (Drying Time Management) DTM Multi Hopper System

原料桶 Storage Bin

各干燥筒别使用的原料及使用量，可以控制对应的风量来均匀的干燥及节约热能。
DTM is a device applicable to dehumidification systems for single-hopper or multi-hoppers

特点 | Features

- 输入原料种类及使用量，可以自动调整风量和温度。
- 使用ON/OFF方式的风量调整阀，均匀的控制风量。
- 通过VISU表示现在温度及选择原料。
- 附加功能：VFL风量表示阀，VAS Anti-Stress阀。
- Material type & Quantity kg/h are the only data to be set for each hopper in use.
- If the drying system is completed with V-DTM impulse (working / pause) valves, a special procedure enables to operate the valves in order to measure the max quantity of air necessary for each hopper according to the material quantity & air requirement.
- Every hopper is equipped with DTM-VISU digital display for reading and adjusting the temperature and for showing the material name in process.
- Options : Flow indicator valve VFL, VAS anti-stress valve



DTM Valve (Option)



DTM VISU

需要多种原料的注塑工程来说使用不锈钢制造的 C 系列原料桶是可以防止灰尘及其他杂物进入。可放在主机边或用于中央供料系统的储料。

The storage bins “C” series are made in stainless steel and different sizes to allow the storage of raw materials beside processing machines or for centralized systems.
“C” containers store granules in an ideal environment, protected from ambient contamination such as electrostatic dust, thus ensuring top quality processing.
If properly used, these containers are a valid alternative to centralized feeding systems for pick-up at the side of the molding machine.



规格 | Specifications

Model	C100	C200	C350	C800	Remarks
容量 / Capacity	100	200	350	800	Stainless steel

MATRIX 控制器 MATRIX Controllers

是否许多接收器和鼓风机挨个手动调整？
使用MATRIX 控制器, 方便的控制整个FEEDING系统。

Do you control each cyclone and hopper loader one by one ?
MATRIX controls centralized auto feeding system at a time

Hand controller

- 可以控制 鼓风机, 接收器, 除湿干燥机, 体积式混合机, 压缩空气干燥机。
- 在工厂那个位置也只要接受到MATRIX网络可以确认所有设备设定值和报警。
- HC controls cyclone, blower, dryer and heating group.
- You can check alarms and set conditions of receivers and blowers at any where you want with just log on your network



MATRIX Server

- MATRIX方式是扩大规模也容易, 安装也简单可以构成网络。
- 同时控制56台接收器和8台鼓风机。
- 支援报警履历及多国语。
- 利用外部触点表示除湿干燥机报警。
- 附加功能: 触摸屏, 手动控制器, DDP。
- MATRIX server controls 56 receivers and 8 blowers and you can log on net work and control in & out put with a remote controller, HC
- Options
 - Touch screen
 - Hand controller
 - DDP (LED info panel)



DDP
INFO Panel
宽度 / Width:1700 mm



MATRIX 过滤&鼓风机 MATRIX Filter & Blower

自动供料系统专用输送能力及低音, 高效率鼓风机系列。

特点 | Features

- MATRIX专用过滤&鼓风机。
- 一体型结构占空间小。
- 采用低音, 高效率Side channel blower.
- 容易清理自动过滤器和分离型粉尘桶。
- 安装了真空压力计和排除阀。
- 附加功能: 过滤器堵塞报警, 粉尘料位报警。
- MATRIX Vacuum pumps & Filters systems
- Vacuum pump range available (side channel blower)
- Automatic cyclone filter cleaning system
- Dust collection bin / By-pass valve / Vacuum gauge / Vacuum relief valve
- Options
 - Differential pressure switch for clogged filter alarm. (Available for filter FC2 & FC3)
 - Dust level sensor with visual alarm for filter FC4



规格 | Specifications

Model		PM3-FC2-50	PM4-FC2-50	PM5-FC3-60	PM7-FC3-60	PM11-FC3-70
Max.capacity	kg/h	500	600	1000	1500	2000
Motor pow.	kW	3	4	5.5	7.5	11
Depres.	mbar	260	430	430	430	430
Noise level	dB(A)	70	75	75	80	80
Weight	kg	60	135	190	210	230
Power source		AC 380V±10%, 50/60Hz 3 phase				
Vac. line	φ (mm)	50	50	50/60	60	70
Filt. surf.	m²	6.7		11		
Filt.degr	μ	8				
Clean type		Self-cleaning				

MATRIX 接收器 MATRIX Receiver

TMM系列是MATRIX 自动供料专用接收器。

TMM series are specially designed for centralized auto feeding system

特点 | Features

- 不锈钢本体。
- 没有无错的Flap及Magnetic sensor 方式。
- 去除真空阀设置在内部方便安装。
- 使用2色警报灯表示输送/报警。
- 手动控制器连接。
- Stainless Steel construction increasing durability
- Magnetic sensor
- Vacuum breaker valve for auto feeding system.
- Easy to recognize troubles with an alarm
- Hand Controller



Hand controller



规格 | Specifications

Model		TMM2	TMM4	TMM5	TMM10	TMM25	TMM50
容量 / Capacity	dm ³	2	4	5	10	25	50
重量 / Weight	kg	7	8	10	12	15	17

MATRIX 管道清理阀 MATRIX Line Cleaning Valve

输送原料后一定时间内输入空气清理管内的生料等原理清理的阀。

It is a device getting rid of remained material in pipe lines after feeding with air

特点 | Features

- 装置型吸收阀：VPCA
- 标准型：VPCNC
- 输送除湿空气型：VPCCC



比例阀 PVN Ratio Valve

简单的混合粉碎料和新料，直接装在接收器上，不需要单独控制器来控制，直接使用Server来控制。

Easy to mix natural and regrind materials with effective closed loop type ratio valve.



规格 | Specifications

Model		PVN40C	PVN50C	PVN60C
原料管直径 / Material pipe diameter	mm	40	50	60
压强 / Required pressure	bar	6~8		
压缩空气耗气量 / Compressed air consumption(x cycle)	N l	0.5		
电压频率 / Tension-Frequency		AC 220V±10%, 50/ 60Hz (AC 24V, 50/60Hz) (DC 24V)		
耗电量 / Electric consumption	W	5		

隔热干燥筒 Maintenance Hopper

隔热干燥筒是连接接收器和注塑机

Insulated models enable to maintain an even temperature of the material when it stays on the machine for a long time. In case of small throughput a pyrex base is available to visualize material before it gets into the auger.

特点 | Features

- 不锈钢本体。
- 装置手动Slide gate。
- 采用铝板保温及优雅的外观。
- 钢化玻璃底座。
- 盖结构是采用合页开关方便，维修简单。
- Stainless Steel
- Slide gate
- Standard type(HM), Insulated type (HMC), Pyrex base (HMX)
- Easy maintenance



HMC : 保温型



HM : 标准型

规格 | Specifications

Model		Capacity (ℓ)	Insulation thickness (mm)	Weight (kg)
H2MX	耐热干燥桶 Pyrex Maintenance Hopper	2	60	4
H3MX		3	60	5
H5M	干燥桶 Maintenance Hopper	5	60	8
H15M		15	60	9
H30M		30	60	15
H5MC	隔热干燥桶 Insulated Maintenance Hopper	5	60	9
H15MC		15	60	11
H30MC		30	60	18

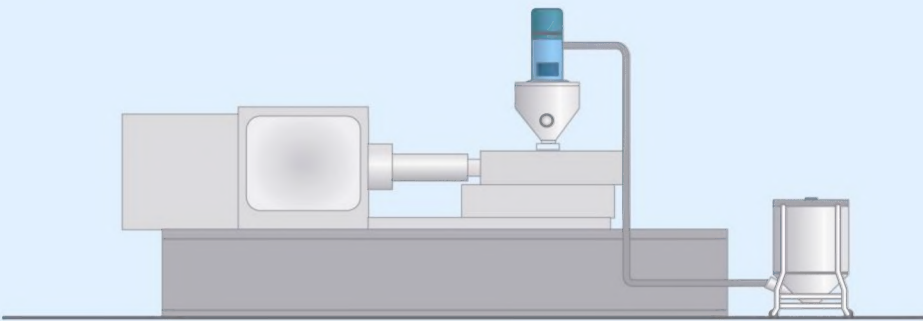
单相吸料机 Single Phase Hopper Loader

单相吸料机的基本构成为单相鼓风机和大型过滤器，自动清除过滤装置而组成。

Single loader VLM series consist of second stage blower, big filter, auto filter cleaning and removable tissue filter and gasket which has high hermetic

特点 | Features

- 两端单相鼓风机是低音高效率。
- 自动清除过滤功能。
- 输送失败报警。
- LED控制器来控制粉碎料混合阀等多种功能。
- 附加功能：比例阀。
- Single phase blower
- Auto line cleaning valve
- LED controller
- Feeding failure alarm
- Options - Ratio valve



规格 | Specifications

MODEL		VLM2	VLM4	VLM5	VLM10
使用量 / Throughput	kg/h	40	60	80	120
马达功率 / Motor power	kW	0.85	0.85	0.9	0.9
挡板 / Depres.	mbar	180	180	210	210
噪声等级 / Noise level	dB(A)	<80	<80	<80	<80
电源 / Power source	AC 220V ±10%, 50/60Hz Single phase				
容量 / Capacity	dm ³	2	4	5	10
重量 / Weight	kg	7	8	10	12

原料分配站 Manifold

MATRIX Automatic Manifold

特点| Features

- 7.4彩色LCD触摸屏操作。
- 采用多种In/Out管 直径为 40、50、60、70mm.
- 按照程序需要原料的地方自动分配。
- PLC control interface with Matrix Server complete with 7.4 color touch screen
- Bell Frame able to provide pipe diameters of 40 / 50 / 60 / 70mm



MATRIX Manual Manifold

特点| Features

- 结构为组装时结构可以扩大。
- Quick connection 方便更换。
- 可以采用管径为 40/50/60/70mm.
- 附加功能：涂陶瓷，Decoding。
- Possibility to couple more frames to increase number of inlets
- Diameters available: 40 / 50 / 60 / 70mm
- Option :
 - ceramic coated manifolds
 - Decoded manifolds



陶瓷管 Ceramic coated bend

防止静电管 Anti-static hose



快速连接件 Quick connection

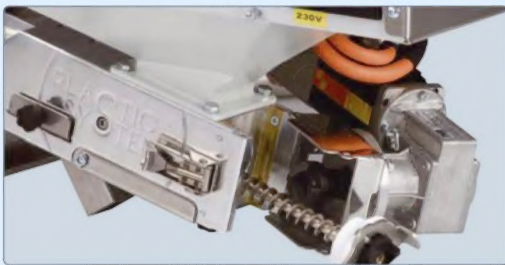
Model	Description
ARM	快泄阀 (M) / Quick release (M)
ARF	快泄阀 (F) / Quick release (F)
CCF	快泄阀盖 (F) / Quick release cap (F)
TCM	快泄阀盖 (M) / Quick release cap (M)
CUC	陶瓷管 / Ceramic coated bend
CUV	玻璃弯管 / Glass bend

体积式混合机 Volumetric Dosing Unit

丝杆方式简单的结构，可以多方面使用。

特点| Features

- 使用 DC Brushless 电机及 엔코더。
- Graphic LCD控制器。
- 内装Venturi loader 控制器。
- 附加功能：高温规格，Venturi loader,Mixer,手动控制器。
- The DM10-DM20 series of volumetric dosing units has been designed for the automatic and precise dosing of master batches, additives and plastic granules for a wide range of productions.
- The blending between design, cutting-edge technologies and the high quality of materials used gives great flexibility to the Plastic Systems volumetric dosing units, that can be installed on injection molding machines, extruders and blow molding machines of small and large throughput



轻松方便地添加分离螺钉维持
Hinged motor opening and metering screw extraction

规格| Specifications

Model			DM10	DM20	DM30	DM40
Throughput D X P screw	8x8	kg/h	0.06~0.84			
	12x8	kg/h	0.07~1.35, 0.24~2.8			
	16x10	kg/h	0.5~6			
	20x12	kg/h	1~11.7			
	20x20	kg/h	1.4~17.5			
	25x20	kg/h		2.2~26.5		
	30x20	kg/h		3~39		
	50x50	kg/h			20~140, 40~280	
	80x80	kg/h				50~400, 100~800
Gearbox ratio			1:75, 1:38	1:38	1:75, 1:38	1:75, 1:38
Hopper volume			15 dm ³	15	30	50
Central hopper vol.			25 dm ³	25		
Motor power			118 W	118	220	220
Motor speed			3000 r.p.m.	3000	3000	3000
Power source			AC 220V±10%, 50/60Hz Single phase			
Weight			19 kg	21	25	28
Venturi through			50 kg/h	50	50	50
Compress. airflow			6.3 l/s	6.3	6.3	6.3
C.a. pressure			6 bar	6	6	6

重量式混合机 Gravimetric dosing unit

体积式混合机 Volumetric Dosing Unit

体积小方便，世界最高水准的计量式混合装置。
Compact, light weight and high performance (pellet, powder, liquid) conveying blender



规格| Specifications

Type	(Gravimetric dosing unit)			
种类 /Series	MBG	MBS	MBX	ALS-F
Model	MBG-2005~3005,4010	2010~4010, 2020~5020, 2040~5040	4030 / 4060	250~254
控制 / Control	Micro Com			PLC
重量 /Weighing	Load Cell	Digital Load Cell	Load Cell	Load Cell
定量给料/ Dosing	Screw Feeder	Invert Control Screw Feeder (AC Servo)	Cylinder Shutter Type	Screw Feeder (AC Servo)
混合量 / Mixing capacity	30~50Kg/hr, 100Kg/hr	100~1,500Kg/hr	300/600Kg/hr	20~80Kg/hr
精确度 / Accuracy	±1.0%	±0.2%	±0.5%	±0.5%~3%
最大称重值/Max weighing value	800g/batch	3Kg/batch	30g~3Kg/8g~8Kg	Option
电源 /Power source	AC220/380±10%, 50/60Hz 3phase			AC220V 10A, Single phase
能量消耗/ Power consumption	400W+0.55/0.85kW (50/60Hz)	490W+1.9kW (60Hz)	200W (50/60Hz)	
气压 / Air pressure	0.4Mpa	0.4Mpa	0.4Mpa	0.5Mpa
特点 /Features	1.Compact Designing 2.One package type of blender and carrier 3.Easy cleaning 4.Flow rate displaying 5.Easily operate touch panel 6.50kinds of recipe setting can be recorded	1.Auto tuning system 2.Package indication of operation, weighing screen, hopper and carrier selection and setting value 3.Package indication of the total material consumption 4.Setting value, weighing value and all deviation value for the past 99 times can be recorded 5.100 kinds of recipe setting can be recorded	1.High Speed Weighing 2.Compact Designing 3.Easy cleaning 4.Blender body was highly miniaturized in the field by high speed weighing. 5.100 kinds of recipe setting can be recorded	1.Direct installation on hopper 2.Throughput, operation situation, accumulated supply info. 3.Loss-in-weight type M/B dosing 4.Compact Designing 5.Easy operation Specifications



规格| Specifications

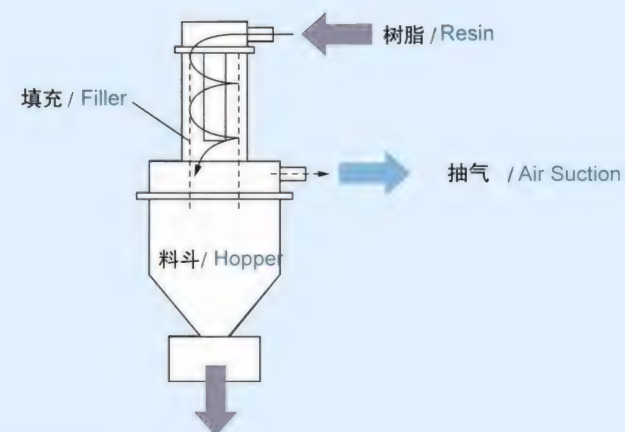
Type	(Volumetric dosing unit)	
Series	BLE	Mini Color
Model	BLE-220~420	MB_2-S, MB-3-S, MB-4-S
Control	PLC	
Weighing	Mdor	Weighing time
Dosing	Screw Feeder	
Mixing capacity	50~200Kg/hr	Max. 20Kg/hr
Accuracy	± 5%	±1.0%
Max weighing value	Option	
Power source	AC220±10%, 50/60Hz	AC220/380V±10%, 50/60Hz
Power consumption	75W+Screw Motor(25~40W)	50W(50/60Hz)
Air pressure	—	
Features	1.Easy operate 2.Save material changing time	1. Coloring by direct dosing - Prevent dispersion, High-accuracy feeding, Stable product quality, Installation space saving 2. Easy operation - Easy material change, MB hopper desorption style 3. Simple design - 350500400, Weight 15kg(2kinds blending)

去除粉尘料斗 Absorption-type Power Removing Hopper

吸料同时去除粉尘。

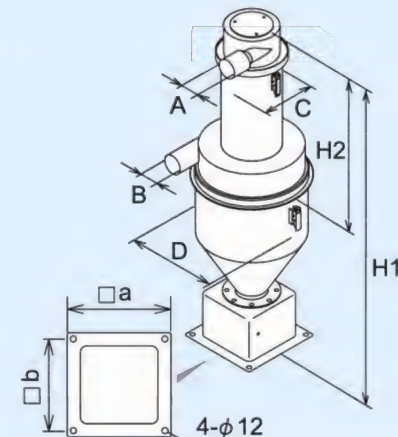
特点 | Features

- 去除粉尘及灰尘。
- 不用交换丝杆低费用来达到高效率的目标。
- Broken pellet, scrap's powder removing
- No necessary to change screw for powder removing



规格 | Specifications

Model	KPI-050	KPI-100	KPI-400
Capacity (ℓ)	5	10	40
A (mm)	Ø50	Ø50	Ø60.5
B (mm)	Ø50	Ø50	Ø60.5
C (mm)	Ø142	Ø142	Ø235
D (mm)	Ø260	Ø260	Ø420
H1 (mm)	792	878	1390
H2 (mm)	425	425	726
□a (mm)	210	210	300
□b (mm)	185	185	270



热风干燥机 Hopper Dryer

特点 | Features

- Diffuser方式干燥性能均匀。
- 因下部保温，提高干燥效果及节约热能。
- 两层加热结构没有温度偏差。
- Heat Uniform Division to whole direction by central diffuser
- High drying effect of under-resin
- Less temperature declination with preheater



规格 | Specifications

Model	容量 Capacity(ℓ)	电热功率 Heating(kW)	马达功率 Motor(kW)	Size (W×L×H) (mm)	Frame
EZH-25	42	3.6	0.2	930×670×1030	Option
EZH-50	84	4	0.49	930×680×1300	
EZH-75	125	5.4	0.36	1050×790×1270	
EZH-100	167	6.3	0.36	1050×790×1470	
EZH-150	250	10.8	0.7	1280×910×1480	
EZH-200	334	12.4	0.7	1280×910×1710	Standard
EZH-300	500	19.8	0.835	1430×1070×2360	
EZH-400	667	25	1.05	1930×1160×2570	
EZH-500	834	25	1.05	1930×1160×2800	

吸料机 EZL Hopper Loader

特点 | Features

- 跟多种料斗一起使用，把原料输送到所需要的地方。
- 通过过滤器直接分离粉尘及灰尘。
- 用时间控制器来调整动作及停止。
- The machine, along with a hopper dryer and automatic mixer is used for stream lining material supply process.
- A separate dust collecting cyclone collects the dusts from pulverized materials first, and a carter strains the dusts again.
- Semi-Auto feeding

规格 | Specifications

Model	风机 Blower (kW)	最大进料能力 Feeding Capacity (m³/min)	气流压力 Air flow pressure (mbar)	真空管 Vacuum line (mm)
EZL-200	1.75 kW	4	-170	φ38
EZL-300	2.55 kW	4	-260	φ60.5
EZL-500	3.7 kW	6	-280	φ60.5
EZL-750	6.3 kW	10	-310	φ60.5
EZL-1000	8.6 kW	10	-350	φ60.5



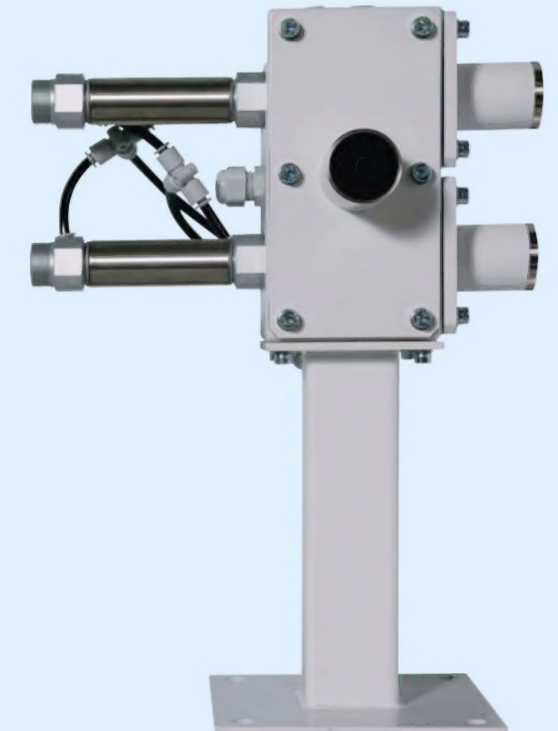
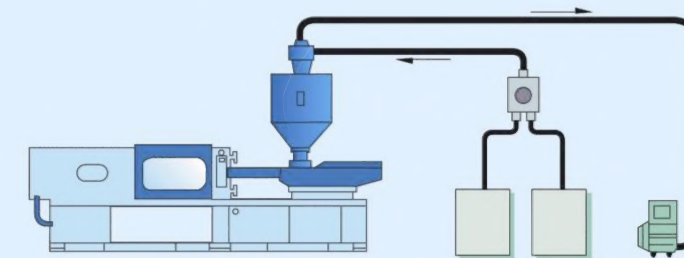
比例阀 RVR Ratio Valve

特点 | Features

- 采用硅胶板，正大密封性和耐磨性。
- 安装时间控制器-可以设定混合比率。
- 简单的结构拆装及清扫方便。
- There is no flying dispersion of in the pulverizing room.
- Separation and saving in tank are done at the same time with pulverization
- Cleaning is easy during material replacement.

规格 | Specifications

Model	Material line(mm)
RVR-38-2	φ38
RVR-50-2	φ50.8
RVR-60-2	φ60.5



料斗 EZC Hopper Loader

判定是否有原料及连接在吸料机一起使用。
increased durability and neat design by stainless steel.

规格 | Specifications

No.	Model	容量 Capacity (ℓ)	传感器类型 Sensor Type	管道 Line (mm)	
				Vacuum	Material
1	EZC-1A	1	Proximity sensor	φ38	φ38
2	EZC-3A	3	Proximity sensor	φ38	φ38
3	EZC-3L	3	Limits switch	φ38	φ38
4	EZC-5L	5	Limits switch	φ38	φ38
5	EZC-10L	10	Limits switch	φ60.5	φ50.8
6	EZC-15L	15	Limits switch	φ60.5	φ50.8
7	EZC-3M	3	Motor sensor	φ38	φ38
8	EZC-5M	5	Motor sensor	φ38	φ38
9	EZC-10M	10	Motor sensor	φ60.5	φ50.8
10	EZC-15M	15	Motor sensor	φ60.5	φ50.8
11	EZC-1P	1	Photo sensor	φ38	φ38
12	EZC-3P	3	Photo sensor	φ38	φ38



原料桶 EZS Storage Bins

需要多种原料的注塑工程来说使用不锈钢制造的 EZS 系列原料桶是可以防止灰尘及其他杂物进入。提供最好的条件。

Profitable starts with organized material storage
(From a small 50kg bins up to large 3000kg outdoors silos).

规格 | Specifications

Model	Capacity (ℓ)
EZS-50	84
EZS-100	167
EZS-200	334
EZS-300	500
EZS-500	834
EZS-750	1250
EZS-1000	1667
EZS-1500	2500
EZS-2000	3334
EZS-3000	5000



慢速粉碎机 JAWS-400 Low Speed Granulator

高速粉碎机 JAWS-500 High Speed Granulator

特点 | Features

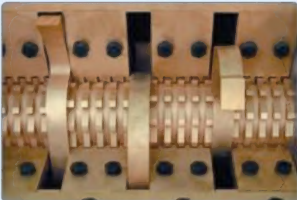
- 使用透明板可以确认粉碎室。
- 装置方便的移动手臂。
- 装置保护减速机用盖。
- 简单的控制器。
- 通过优雅的设计改变环境。
- 附加功能: Titanium coated blade, 直接连接到干燥机的储存盒。
- Easy to check blade through transparent window
- Easy to move with a handle.
- Cover for reduction motor
- Easy to operate
- Compact size and elegant design
- Option : Titanium coated blade
- Loading box available connecting with Hoper loader



手柄便于移动
Easy to move with a handle.



通过透明的窗口易于控制刀片
Easy to check blade through transparent window



刀片上涂钛料 (Option)
Titanium coated blade (Option)



强大的两轴粉碎刀片
(仅用于JAWS-400以上的机型)
Strong two axis crushing blade
(Only for over JAWS 410)

规格 | Specifications

Model	JAWS-402	JAWS-403	JAWS-405	JAWS-407	JAWS-410	JAWS-415	JAWS-420
马达 / Motor (kW)	1.5	2.2	3.75	5.5	7.5	11	15
转动频率 / Rotation Frequency (RPM) 60Hz	29	29	29	29	25	25	25
进口尺寸 / Inlet Hole Size (mm)	265×335	360×335	445×415	565×455	670×725	900×750	900×815
容量 / Capacity (kg/h)	20~25	25~30	35~55	60~75	90~105	100~140	145~180
粉碎粒子 / Crushed Piece (mm)	4~8	5~8	5~8	8~10	8~10	8~10	8~10
重量 / Weight (kg)	320	490	690	1000	1600	2600	3000
尺寸 / Size (W×L×H)(mm)	480×1100×1150	480×1260×1150	610×1400×1410	850×2000×1400	1220×1850×2040	1320×1950×2230	1400×2070×2430
电源 / Power source	AC 220/380V±10%, 50/60Hz, 3Phase						
刀片 / Blade	1 Blade Axis				2 Blade Axes		

特点 | Features

- 可以短时间内大量粉碎。
- 通过Mesh 交换调整粉碎料离大小。
- 清扫方便及保修维修简单的结构。
- Large capacity of crushing in a short time.
- Easy to adjust the size of particles by changing a screen.
- Easy to clean and maintain



规格 | Specifications

Model	JAWS-505	JAWS-507	JAWS-510	JAWS-515
马达 / Motor (kW)	3.7	5.5	7.5	11
转动频率 / Rotation Frequency (RPM) 60Hz	300~680	300~680	300~680	580
进口尺寸 / Inlet Hole Size (mm)	190×240	210×280	240×340	260×380
容量 / Capacity (kg/h)	120~160	150~200	210~260	260~380
重量 / Weight (kg)	400	690	800	1400
尺寸 / Size (W×L×H) (mm)	620×820×1200	520×970×1435	600×970×1435	660×1020×1435
电源 / Power source	AC 220/380V±10%, 50/60Hz, 3Phase			

Model	JAWS-520	JAWS-530	JAWS-550	JAWS-575	JAWS-5100
马达 / Motor (kW)	15	22	37	55	75
转动频率 / Rotation Frequency (RPM) 60Hz	580	580	580	580	580
进口尺寸 / Inlet Hole Size (mm)	340×400	430×630	500×720	500×850	600×1000
容量 / Capacity (kg/h)	310~380	400~700	700~800	500~600	600~700
重量 / Weight (kg)	1800	2400	3950	6000	7000
尺寸 / Size (W×L×H) (mm)	1100×1200×1910	1250×1400×1975	2270×2660×3200	2100×2700×3100	2100×2700×3100
电源 / Power source	AC 220/380V±10%, 50/60Hz, 3Phase				

金属分离机 Metal Detectors and Separators

为了安全的塑胶成型，使用金属分离系统。
Product Purity, Greater Security, Added Value

特点 | Features

- 快速分离系统
 - 产品最佳选择控制器功能
 - 可以不同工程使用
- Quick flap system
 - Choose Best Controller for application as an Option
 - Various Application for Best Performance



自由落下型 - Rapid Vario



管路输送用 - GF



注塑机用（小容量）- PROTECTOR



注塑机用（大容量），压塑机，循环 - MFE

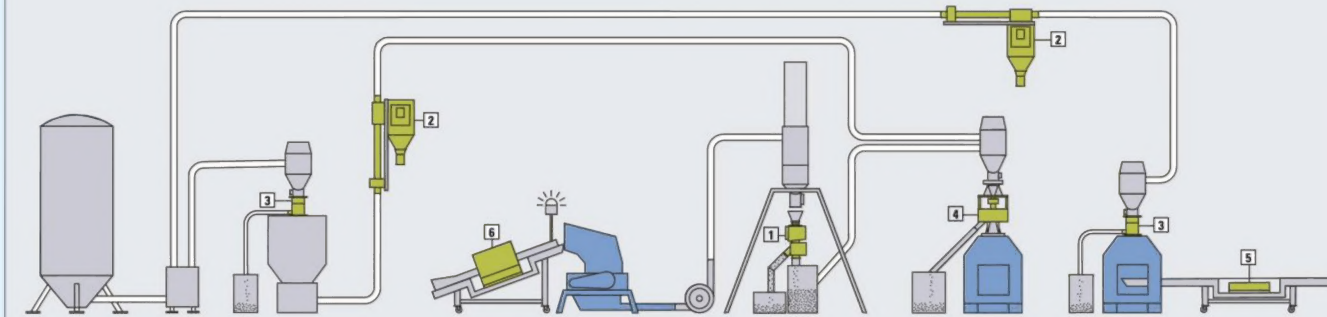


隧道型 - RZ



输送机用 - DLS

布局 | Layout



- 1 Free Falling-Rapid Vario
- 2 Vacuum/Pressure Conveying-GF
- 3 Injection, Blow, Extrusion(Small capa.)-PROTECTOR
- 4 Injection, Blow, Extrusion(Big capa.)-MFE
- 5 Inspection under conveyor-ELS
- 6 Inspection of conveyor before or after process-DLS

规格 | Specifications

Type	Material	Model Model	Range	Application
Free Falling	Economic	Rapid COMPACT	~φ30, 50, 70, 100, 120, 150, 200, 250~	Free fall pipe line, Bagging line for package, under hopper or blender
	General	Rapid VARIO	~φ30, 50, 70, 100, 120, 150, 200, 250~	
	Scrap	RAPID DUAL	φ200, 250, 300, 350~	
	Powder	RAPID 5000	~φ30, 50, 80, 100, 120, 150, 200, 250, 300~	
	Mixed	RAPID 6000	~φ30, 50, 80, 100, 120, 150, 200, 250, 300~	
	Pellet	RAPID 4000	~φ30, 50, 80, 100, 120, 150, 200, 250, 300~	
Vacuum/Pipe Conveying	Pellet	GF	~φ40, 50, 60, 70~	Pipe Conveying(Vertical, Horizontal, Diagonal, any angle)
	Powder	GF4000	~φ40, 50, 60, 70~	
Protection of injection, Blow, Extrusion	Small	PROTECTOR	~φ30, 40, 50, 60	Protection of screw, cylinder of injection, blow and extrusion
	Big	MFE	φ50, 70, 100, 120, 150~	
Inspection	General	RZ	φ40, 55, 70, 80, 120, 133, 150, 170, 210~	Inspection
	General	ELS	~250mm, 300mm, 400mm, 500~	
Inspection Conveyor before or after process	General	DLS	~250mm, 300mm, 400mm, 500~	Protection of Granulator or machinery and inspection of material after granulation

YUDO家族

Sceneries Of YUDO Family



YUDO 实业有限公司

- 1980 成立
- 主要生产项目：热流道系统、模温机

YUDO CO.,LTD.

- Establishment : 1980
- Production items : Hot runner system



YUDO-STAR 有限公司

- 1992 成立
- 主要生产项目：机械手，工厂自动化系统

YUDO-STAR CO.,LTD.

- Establishment : 1992
- Production items : Robots, F/A System, Motion Controllers, OEM Export of Parts



YUDO-SUNS 有限公司

- 2000 成立
- 主要生产项目：模温机,冷水机,粉碎机

YUDO-SUNS CO.,LTD.

- Establishment : 2000
- Production items : Mold Temperature Controller,Chiller, Granulator



昆山柳道机械有限公司

- 2008 成立
- 主要经营：模温机,冷水机,自动供料系统

机械手,粉碎机等注塑机周边设备

YUDO-SUNS (KUNSHAN) CO.,LTD.

- Establishment : 2008
- Production items : Mold temperature controller, chiller,auto-feeding system, robot and granulator for plastic industry



威海柳道机械有限公司

- 2008 成立
- 主要生产项目：模温机,冷水机,干燥机,自动供料系统

机械手, 粉碎机等注塑机周边设备

YUDO-SUNS (WEIHAI) CO.,LTD.

- Establishment : 2008
- Production items : Mold temperature controller,chiller, drying system,feeding system,robot and granulator for plastic industry

YUDO-SUNS 机构分布图 (中国)
Sales Net-Work (China)

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